

Center for Human Radiobiology
Peripheral Leucocyte Chromosome Analysis

700358

Case # 40-009

Sample date Feb 14, 73

A sample of peripheral blood was drawn from the patient into a sterile heparinized tube. Leucocytes were cultured, using standard culture techniques including PHA stimulation. The cultures were terminated after 50-53 hours. Slides were examined following standard Giemsa staining. Slides were scored on 3/15/73 and a sample of 77 cells was obtained. The sample consisted of sufficiently well spread cells with 46 or more centromeres. A copy of the cytogenetic unit's score sheet is attached.

Results were as follows:

	<u>Number</u>
Cells with 46 centromeres	<u>77</u>
Cells with > 46 centromeres	<u>2</u>
% hyperdiploid cells	<u>2.5</u>
Rings + dicentrics (and associated fragments)	<u>0</u>
Chromosome minutes	<u>0</u>
Acentric fragments	<u>1</u>
<u>Total chromosome aberrations per cell</u>	<u>.01</u>
Chromatid deletions	<u>0</u>
Gaps	<u>6</u>
<u>Total chromatid aberrations per cell</u>	<u>.08</u>
<u>Total aberrations per cell</u>	<u>.09</u>

Date of report 7/1/73

Submitted by A. F. Hageman

0002265